EXHIBIT 1004

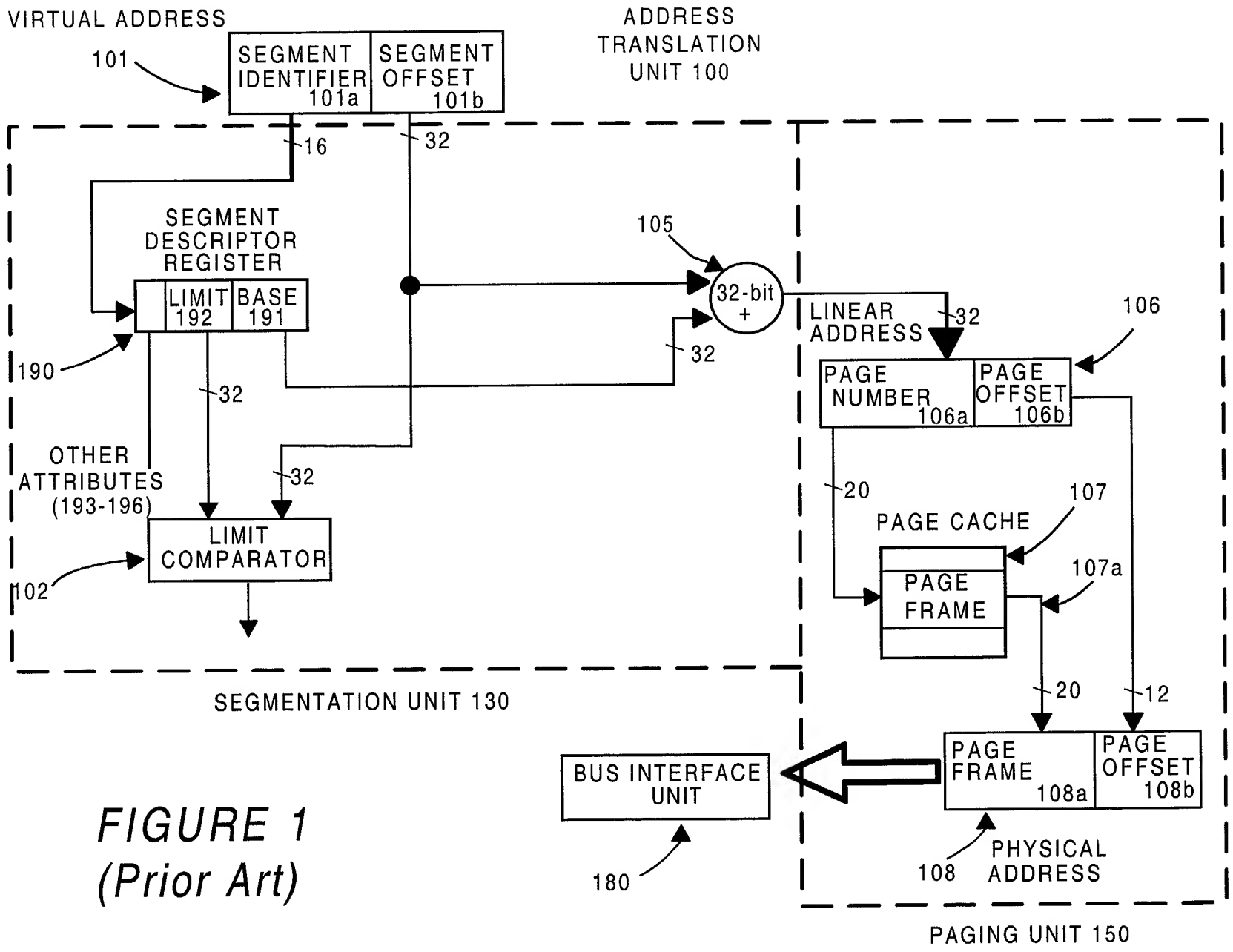
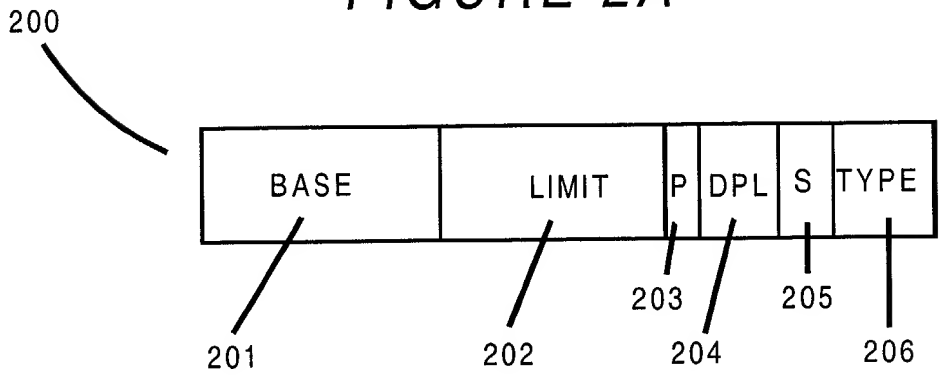


FIGURE 1
(Prior Art)

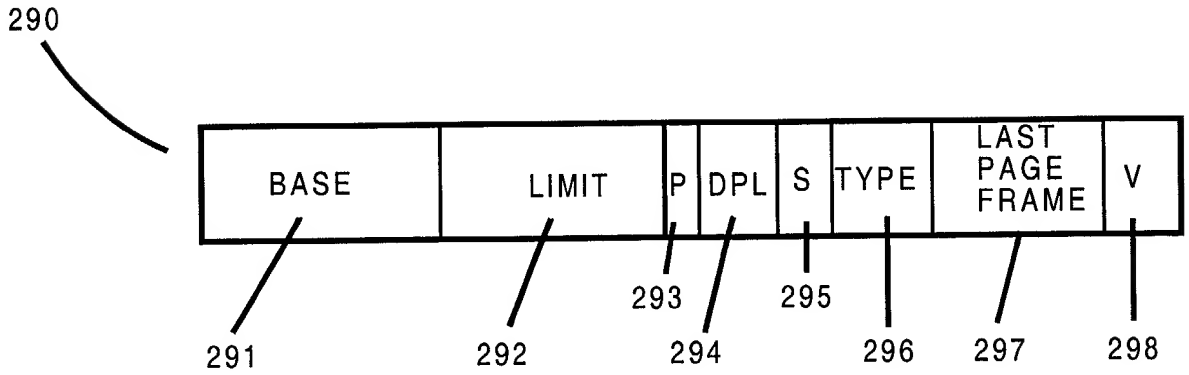
DRAFT DO NOT SCALE

FIGURE 2A



PRIOR ART SEGMENT DESCRIPTOR REGISTER

FIGURE 2B



SEGMENT DESCRIPTOR MEMORY

DOCUMENT CLASSIFIED

FIGURE 3A

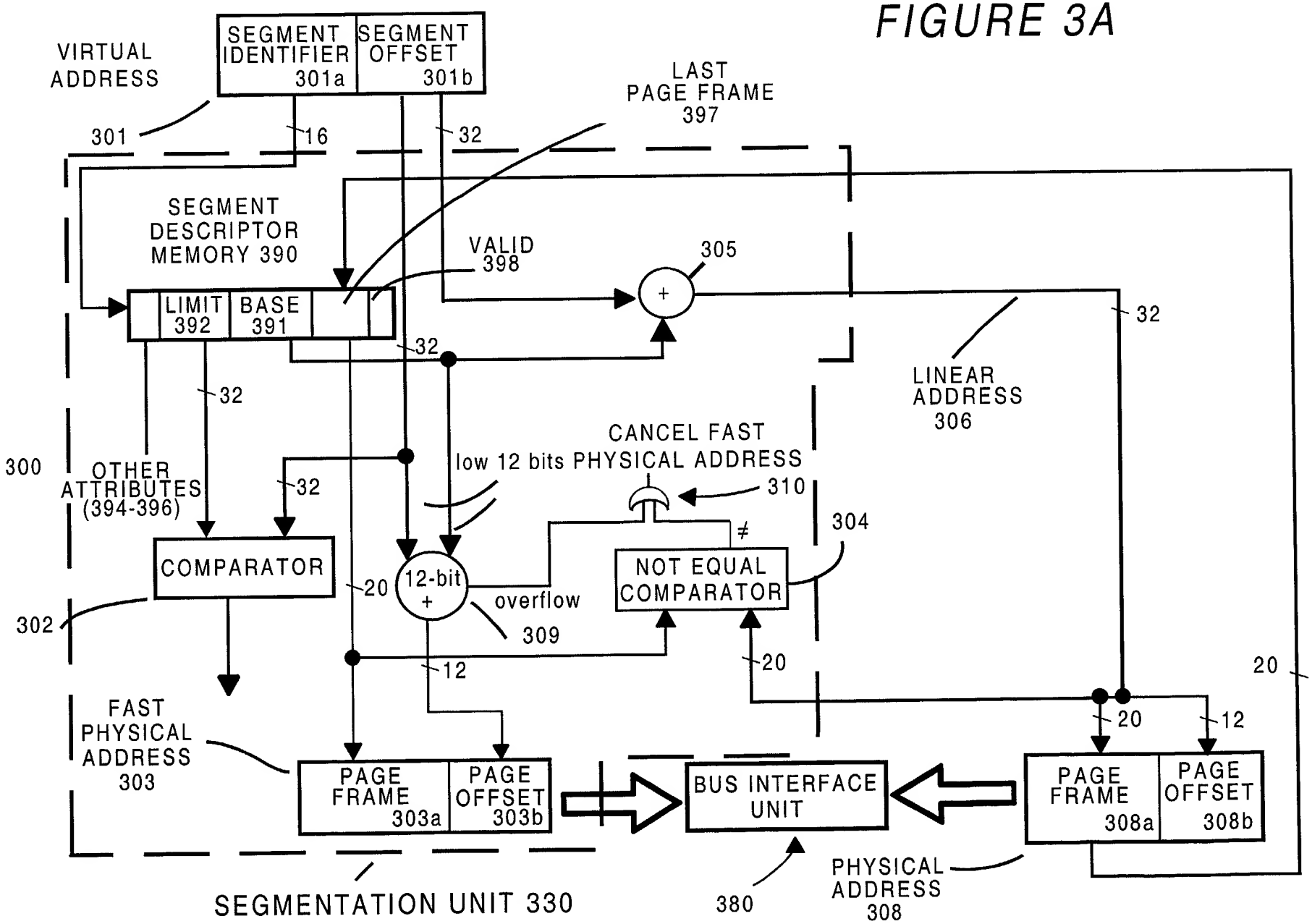


EXHIBIT 1001 - 64 / 256

FIGURE 3B

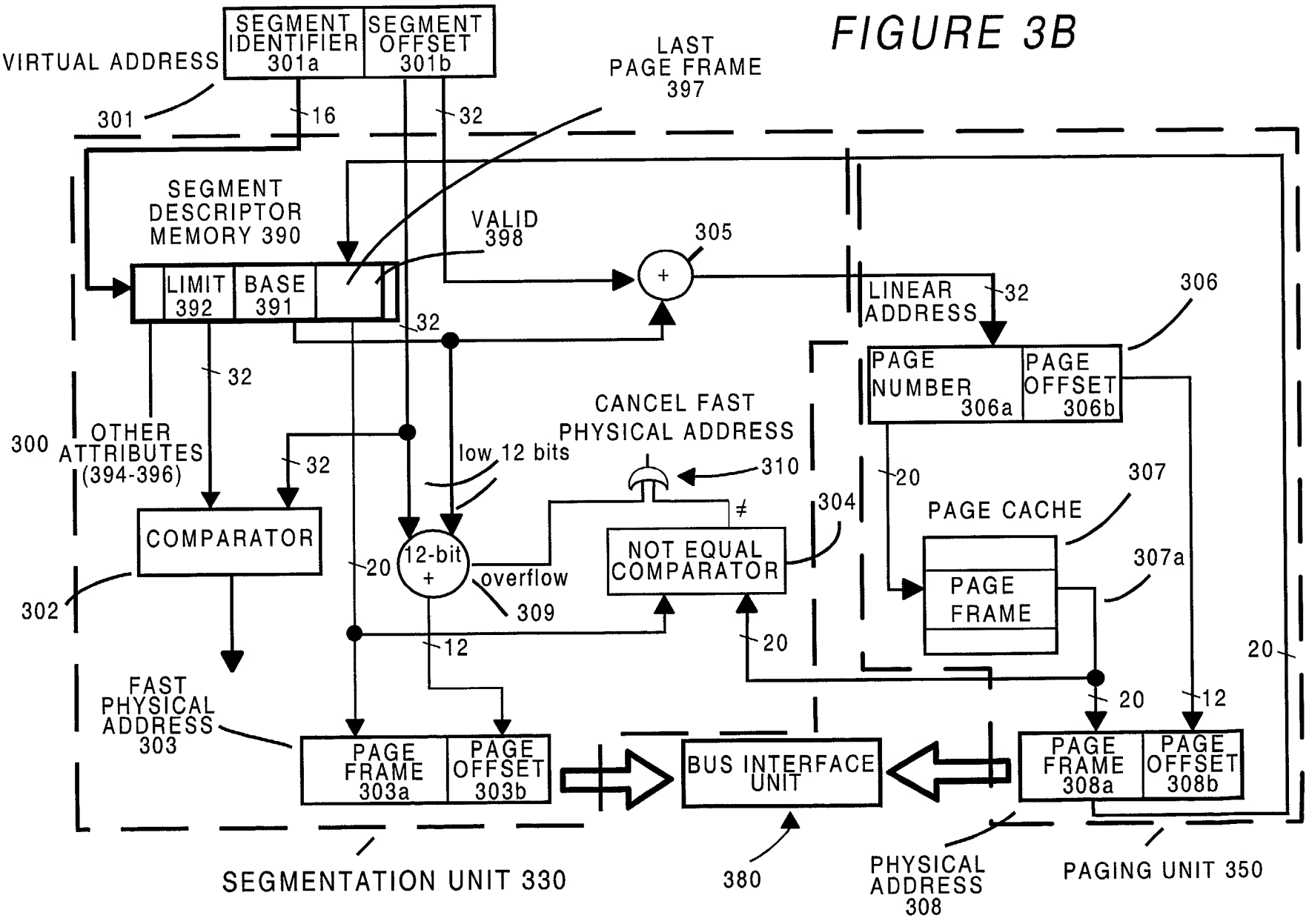
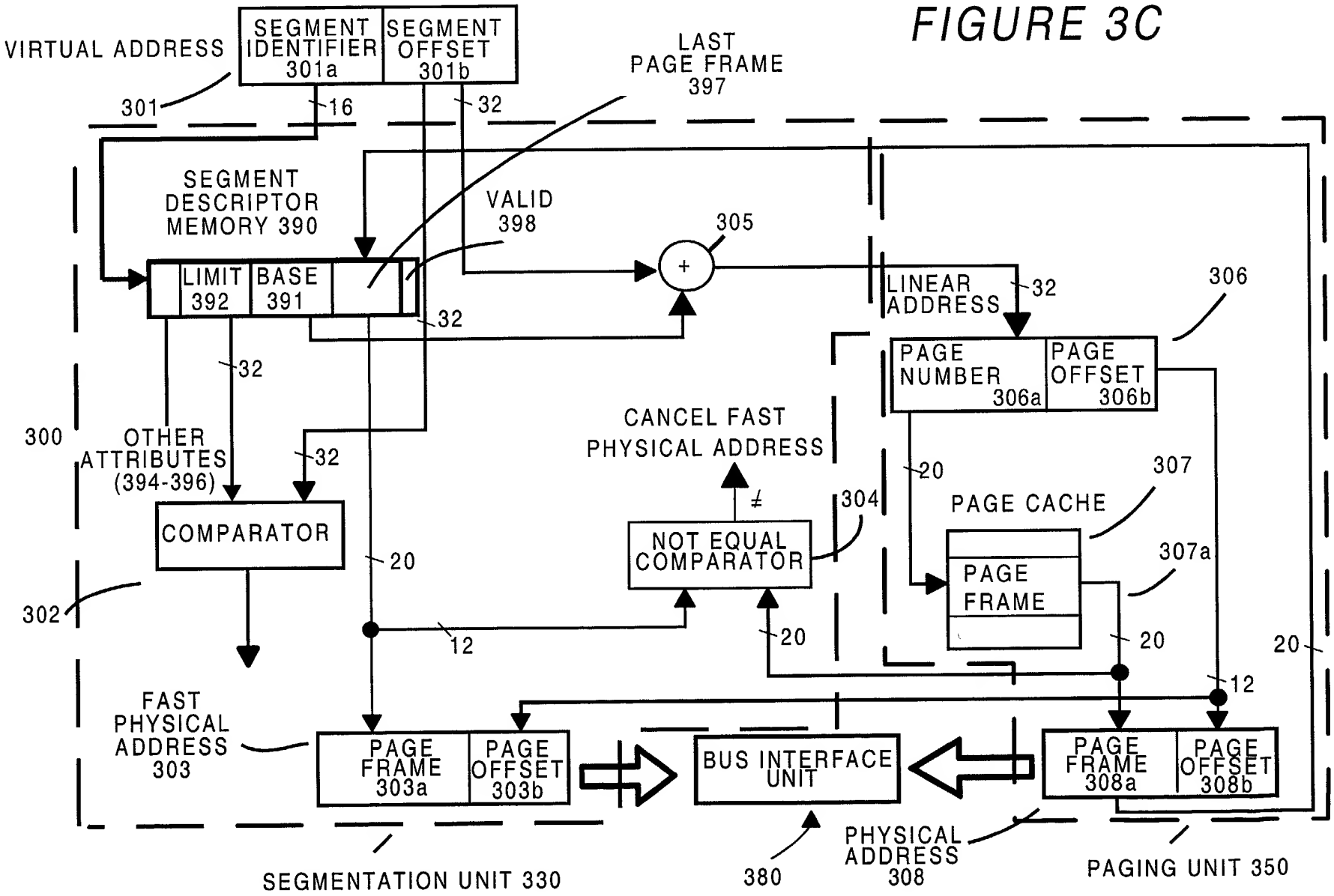


FIGURE 3C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SEGMENT OFFSET 301b
301
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32
LAST PAGE FRAME 397
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VALID 398
305
LIMIT 392
BASE 391
32
LINEAR ADDRESS
32
306
PAGE NUMBER 306a
PAGE OFFSET 306b
300
OTHER ATTRIBUTES (394-396)
32
32
CANCEL FAST PHYSICAL ADDRESS
≠
304
20
307
PAGE CACHE
COMPARATOR
NOT EQUAL COMPARATOR
PAGE FRAME
307a
20
302
12
20
20
20
12
FAST PHYSICAL ADDRESS 303
PAGE FRAME 303a
PAGE OFFSET 303b
BUS INTERFACE UNIT
PAGE FRAME 308a
PAGE OFFSET 308b
SEGMENTATION UNIT 330
380
PHYSICAL ADDRESS 308
PAGING UNIT 350